

5' 3' 1' 2' 4' 6' 8' 10' 12' 14' 16' 18' 20' 22' 24' 26' 28' 30' 32' 34' 36' 38' 40' 42' 44' 46' 48' 50' 52' 54' 56' 58' 60' 62' 64' 66' 68' 70' 72' 74' 76' 78' 80' 82' 84' 86' 88' 90' 92' 94' 96' 98' 100'

9	18	27	36	45	54
5' GAC GTG TTT GGC AGC GGC AGC CAC CAT TTC AGT TGT GTT CTT GGT TCA TTT CGT					
63	72	81	90	99	108
GTC TCG GCG ATG TTT CCT AGA GTC TCG ACG TTC CTA CCT CTT CGC CCC CTT TCC					
	M	F	P	R	S
117	126	135	144	153	162
CGC CAC CCT TTG TCC TCT GGA AGC CCG GAG ACA TCA GCG GCT GCG ATT ATG CTA					
R H P L S S G S P E T S A A A I M L					
171	180	189	198	207	216
CTC ACT GTT CGG CAC GGA ACA GTC AGG TAC CGC AGT TCA GCG CTG TTG GCC CGG					
L T V R H G T V R Y R S S A L L A R					
225	234	243	252	261	270
ACA AAA AAT AAC ATC CAA AGA TAT TTT GGC ACT AAC AGT GTG ATC TGT AGC AAG					
T K N N I Q R Y F G T N S V I C S K					
279	288	297	306	315	324
AAA GAT AAG CAG TCT GTT CGA ACT GAG GAG ACT TCC AAG GAG ACT TCA GAG AGC					
K D K Q S V R T E E T S K E T S E S					
333	342	351	360	369	378
CAA GAC AGT GAA AAG GAA AAT ACG AAA AAA GAC TTG TTA GGC ATT ATT AAG GGC					
Q D S E K E N T K K D L L G I I K G					

FIGURE 1A

387	396	405	414	423	432
ATG AAA GTT GAA TTA AGC ACA GTA AAT CGA ACA ACA AAG CCC CCC AAA AGA					
M K V E L S T V N V R T T K P P K R					
441	450	459	468	477	486
AGA CCA CTT AAA AGT TTG GAA GCT ACA CTT GGC AGG CTT CGA AGA GCT ACA GAA					
R P L K S L E A T L G R L R R A T E					
495	504	513	522	531	540
TAT GCT CCA AAG AAG AGA ATT GAG CCC CTG AGT CCT GAG TTG GTG GCA GCT GCA					
Y A P K K R I E P L S P E L V A A A					
549	558	567	576	585	594
TCT GCT GTG GCA GAT TCT CTC CCT TTT GAT AAG CAA ACA ACC AAG TCA GAG CTG					
S A V A D S L P F D K Q T T K S E L					
603	612	621	630	639	648
CTG AGC CAG CTC CAG CAG CAT GAG GAA GAG TCA AGG GCA CAG AGA GAT GCA AAG					
L S Q L Q Q H E E S R A Q R D A K					
657	666	675	684	693	702
CGA CCT AAA ATT AGT TTC AGT AAC ATA ATA TCA GAT ATG AAA GTT GCC AGA TCT					
R P K I S F S N I I S D M K V A R S					
711	720	729	738	747	756
GCT ACA GCT AGA GTT CGT TCA AGA CCA GAG CTT CGG ATT CAG TTT GAT GAA GGC					
A T A R V R S R P E L R I Q F D E G					

FIGURE 1B

765	774	783	792	801	810
TAT GAC AAT TAT CCT GGC CAG GAG AAG ACG GAT GAT CTT AAA AGG AAA AAT					
Y D N Y P G Q E K T D D L K K R K N					
819	828	837	846	855	864
ATA TTC ACA GGG AAA AGA CTT AAT ATT TTT GAC ATG ATG GCA GTT ACT AAA GAA					
I F T G K R L N I F D M M A V T K E					
873	882	891	900	909	918
GCA CCT GAA ACA GAC ACA TCA CCT TCA CTT TGG GAT GTG GAA TTT GCT AAG CAG					
A P E T D T S P S L W D V E F A K Q					
927	936	945	954	963	972
TTA GCC ACA GTA AAT GAA CAA CCC CTT CAG AAT GGA TTT GAA GAG CTG ATC CAG					
L A T V N E Q P L Q N G F E L I Q					
981	990	999	1008	1017	1026
TGG ACA AAA GAG GGG AAA CTA TGG GAG TTC CCA ATT AAC AAT GAA GCA GGT TTT					
W T K E G K L W E F P I N N E A G F					
1035	1044	1053	1062	1071	1080
GAT GAT GAT GGT TCA GAA TTT CAT GAA CAT ATA TTT CTG GAG AAA CAC CTG GAG					
D D D G S E F H E H I F L E K H L E					
1089	1098	1107	1116	1125	1134
AGC TTT CCA AAA CAA GGA CCA ATT CGC CAC TTC ATG GAG CTG GTG ACT TGT GGC					
S F P K Q G P I R H F M E L V T C G					

FIGURE 1C

1143	1152	1161	1170	1179	1188
CTT TCC AAA AAC CCA TAT CTT AGT GTT AAA CAG AAG GTT GAA CAC ATA GAG TGG					
L S K N P Y L S V K Q K V E H I E W					
1197	1206	1215	1224	1233	1242
TTT AGA AAT TAT TTT AAT GAA AAA AAG GAT ATT CTA AAA GAA AGT AAC ATA CAG					
F R N Y F N E K K D I L K E S N I Q					
1251	1260	1269	1278	1287	1296
TTC AAT TAA GAC CAT GGA AAT TTT TAT TTC AAA CAA TTA GAG ATG GAT ATT ACA					
F N					
1305	1314				
ACT AAA TAA AAT AAT TGC 3'					

FIGURE 1D

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 MFPRVSTFLPLRPLSRHPLSSGSPETSA AAILLTVRHGT 035842  
1 MLHRIIPAFIRPRPSGLPLSCGNRDVSV A--VLPA AQS GA GI 1272669

41 VYRSSALLARTKNNIQRYFGTNSVICSKKDKQSVRTEET 035842  
39 VR-----TENNIQRHFCTSRSSICSKKV DQSV PAN EI GI 1272669

81 SKETSESQDSEKENTKKDDL LGLIKGMKVELSTVNVRTTKP 035842  
70 SQKAAESQGRGKETLKKDDL LDI IKDMKV DLS TANVK TP KP GI 1272669

121 PKRRPLKSL EATLGRRLRRA TEYAPKKRIEPLSPELVAAAS 035842  
110 RGRKPSASLEATVDR LQKAPEDPPKKRN EFLSPELVAAAS GI 1272669

161 AVADSLPF DKQT TKSEL LSQLQQH EESRAQRDAKRPKIS 035842  
150 AVADSLPF DKQT TKSEL LRQLQQH EELRAQKD REKRRIS GI 1272669

201 FSNIIISDMKVARSATARVRSRPELR IQFDEGYDNYPGQEK 035842  
190 FTHIISNMKI AKSPSGRASTRPQH QIQFDEDM DSS LKQEK GI 1272669

241 TDDLKKRKNIF TGKRLNIFDMMAVTK EAPETDTS PSLWDV 035842  
230 PTD FRKRYL FKGKRLSIFADKAFAD EPEPEASPSLW EI GI 1272669

281 EF AKQLATVNEQPLQNGFEE LIQWTKEGKLW EFPINN EAG 035842  
270 EF AKQLASVADQPFENGFEEMIQWTKEGKLW EFPVNN EAG GI 1272669

FIGURE 2A

